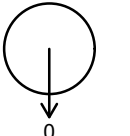
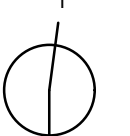
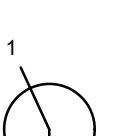
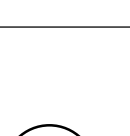
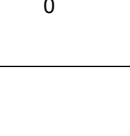
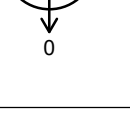
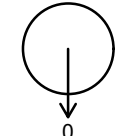
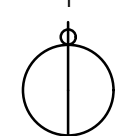
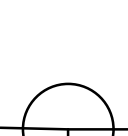
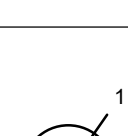
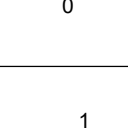
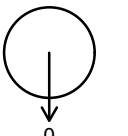
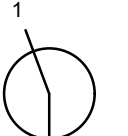
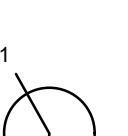


Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
S1.00	70.290							
E. 381880.607	0.710					450	D	B125
N. 385533.855			0	5.000	69.430	150		
S1.01	70.190		1	5.000	69.222	150		
E. 381860.006	0.818					600	D	B125
N. 385536.675			0	5.001	69.222	150		
S1.02	70.260		1	5.001	69.139	150		
E. 381851.708	0.971					600	D	B125
N. 385536.696			0	5.002	69.139	150		
S1.03	70.060		1	5.002	68.789	150		
E. 381819.960	1.121					1200	C	D400
N. 385551.476			0	5.003	68.714	225		
S1.04	70.260							
E. 381831.375	0.950					450	D	B125
N. 385554.208			0	6.000	69.160	150		
S1.05	70.200		1	5.004	68.524	225		
E. 381831.249	1.451					1200	C	B125
N. 385577.655			0	5.005	68.524	225		

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
S1.06	70.280							
E. 381899.633	0.898					450	D	B125
N. 385546.440			0	7.000	69.232	150		
S1.07	70.260		1	7.000	69.056	150		
E. 381883.675	1.054					2100	C	B125
N. 385553.822			0	7.001	68.306	900		
S1.08	70.260		1	5.005	68.351	225		
E. 381845.561	1.159		2	7.001	68.201	900		
N. 385571.492			0	5.006	68.201	375		
S1.09	70.000		1	1.004	68.050	375		
E. 381830.695	1.650					1800	FLOW CONTROL	D400
N. 385590.244			0	1.005	68.050	300		
S1.10	70.000		1	1.005	68.040	300		
E. 381827.917	1.706					1200	HYDRODYNAMIC SEPARATOR	D400
N. 385589.167			0	1.006	68.040	300		

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
S2.00	70.190							
E. 381861.126	1.610					1500	B	D400
N. 385533.823			0	1.000	68.130	450		
S2.01	70.050		1	1.000	68.074	450		
E. 381849.590	1.526					1500	B	D400
N. 385534.380			0	1.001	68.074	450		
S2.03	70.020		1	1.001	67.926	450		
E. 381821.557	1.644					1500	B	D400
N. 385546.490			0	1.002	67.926	450		

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NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.

2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ARCHITECTS, ENGINEERS AND SPECIALIST DRAWINGS AND SPECIFICATIONS.

3. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ENGINEER IMMEDIATELY SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.

4. BEFORE STARTING ANY WORKS, CONTRACTOR TO CHECK INVERT LEVELS AND POSITIONS OF EXISTING DRAINS, SEWERS, INSPECTIONS CHAMBERS AND MANHOLES AGAINST INFORMATION SHOWN ON THIS DRAWING.

5. ROCKER PIPES ARE TO BE PROVIDED AT ALL CONCRETE CASED INTERFACES.

6. CLASS 2 CONCRETE SURROUND TO BE PROVIDED FOR PIPES WITH COVER LESS THAN 1.2m ABOVE THE CROWN OF THE PIPE FOR ROADS AND 0.6m FOR SOFT AND PEDESTRIAN AREAS ONLY AND UNDER ALL FOUNDATIONS AND WHERE PIPES LAID WITHIN 1m OF FOUNDATIONS.

7. CONNECTIONS TO EXISTING PUBLIC SEWERS IN ACCORDANCE WITH UNITED UTILITIES REQUIREMENTS. TO BE APPROVED / AGREED WITH THE WATER AUTHORITY.

8. PROPOSED COVER LEVELS ARE APPROXIMATE AND SHALL BE CHECKED BY THE CONTRACTOR ON SITE TO SUIT THE EXACT FINISHED LEVEL AND GRADIENT.

9. ALL DRAINAGE WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY AND IN CONJUNCTION WITH ALL RELEVANT BRITISH STANDARDS, CODES OF PRACTICE AND SEWERS FOR ADOPTION 7th EDITION.

10. ACCESS COVERS AND FRAMES SHALL COMPLY WITH THE LOADINGS SPECIFIED AND TO BS EN 124 AND KITEMARKED OR IF RECESSED COVERS ARE SPECIFIED THEN IN ACCORDANCE WITH FACTA ASSOCIATION EQUIVALENT. ALLOW FOR RECESS MANHOLE COVERS TO ACCEPT LANDSCAPE ARCHITECT FINISHES TO ALL NON-ASPHALT EXTERNAL AREAS.

11. FOR SETTING OUT DIMENSIONS OF S.S.'S, S.W.P.'S, FLOOR GULLYS & OTHER DRAINAGE 'POP UP' LOCATIONS, REFER TO ARCHITECTS OR MECHANICAL & ELECTRICAL ENGINEERS DRAWINGS.

12. ALL DRAINAGE PIPEWORK SHOWN SHALL BE 100mm DIAMETER FOR FOUL AND 150mm FOR SURFACE WATER UNLESS NOTED OTHERWISE ON THE MEP DRAWINGS. ALL DRAINAGE PIPEWORK SHALL BE LAID SOFFIT TO SOFFIT UNLESS OTHERWISE STATED.

13. ALL UNDERSLAB DRAINAGE SHALL BE LAID AT GRADIENTS OF 1:80 MIN. FOR FOUL PIPEWORK AND 1:100 MIN. FOR SURFACE WATER UNLESS NOTED OTHERWISE. ALL UNDERSLAB DRAINAGE SHALL BE CLEAR OF FOUNDATIONS UNLESS SHOWN OTHERWISE. USE OF SHORT/LONG RADIUS BENDS IS ACCEPTABLE PROVIDED THEY ARE KEPT TO A MINIMUM AND USED WHERE UNAVOIDABLE.

14. AT LEAST ONE SOIL PIPE AT THE HEAD OF EACH FOUL RUN SHALL BE VENTED TO THE ATMOSPHERE. ALL RAINWATER PIPES SHALL HAVE ABOVE GROUND RIDDING ACCESS.

15. ALL PRIVATE DRAINAGE PIPEWORK FOR FOUL AND SURFACE WATER SYSTEMS HAVE BEEN DESIGNED ON THE BASIS OF UPVC TO BS EN 1401-1, UNLESS NOTED OTHERWISE.

16. CONCRETE ENCASEMENT OF THE PIPEWORK SHALL BE REQUIRED WHERE THE VERTICAL CLEARANCE BETWEEN TWO PIPES CROSSING IS LESS THAN 300MM.

17. WHERE NEW DRAINAGE IS SITUATED WITHIN 5 METRES OF NEW OR EXISTING TREES THE PIPEWORK SHALL BE ENCASED IN CONCRETE TO REDUCE THE RISK OF ROOT INGRESS.

18. ALL NEW DRAINAGE INSTALLATIONS TOGETHER WITH ANY EXISTING DRAINAGE RETAINED SHALL BE JETTED AND CCTV SURVEYED UPON COMPLETION. CONTRACTOR TO ENSURE THAT THE DRAINAGE SYSTEM IS FULLY OPERATIONAL, FREE OF EXCESS DEBRIS/SILT AND ALL IDENTIFIED FAULTS RECTIFIED.

P0116.06.25

DRAFT STAGE 4 ISSUE

ARJPAW

REV

DATE

DETAILS

DRN

CHK

DRAWING STATUS

PRELIMINARY

RIBA STAGE

STAGE 4

ROC

CONSULTING

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RoC Consulting
3rd Floor, 57 Hilton Street
Manchester M1 2EJ
T 0161 214 5390
W rococonsulting.com

DRAWN

ARJ

DATE

SEPT 24

SCALES

NTS

CHECKED

MN

DATE

SEPT 24

THE ABOVE SCALES APPLY WHEN PLOTTED AT 1 SIZE --DO NOT SCALE--

APPRVD.

MN

DATE

SEPT 24

EMAIL FOR DRAWINGS

info@rococonsulting.com

CLIENT

MANCHESTER AIRPORT GROUP

PROJECT TITLE

PLOT H5 PREMIER INN
AIRPORT CITY

DRAWING TITLE

SURFACE WATER
MANHOLE SCHEDULES

DRAWING No.

H5PI/ROC/PI/XX/DR/C/0506

REV.

P01

4700

C

RgCp Ltd.